ABSTRACT

A subclassing mechanism for use in developing graphical block diagram models is described. A graphical class instance of a library graphical class that corresponds to a graphical subsystem block of one or more interconnected graphical blocks is constructed for use in a graphical block diagram model of a user. An interface for enabling changes to parameter values of at least one of the graphical blocks to be made by and accepted from the user is provided. The changes are applied to the graphical class instance to produce a graphical class instance that inherits structure from the library graphical class.

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